Allison, Robert W., Ellis, Murray J., Wrathall, Stephen J. –	Eklund, Dan – see Häggblom-Ahnger, Ulla
Interaction of mechanical and chemical treatments on pulp strength during kraft pulp bleaching	Ellis, Murray J., Duffy, Geoffrey G., Allison, Robert W. and Kibblewhite, R. Paul – Fibre deformation during
Allison, Robert W see Ellis, Murray J.	medium consistency mixing: role of residence time
Allison, Robert W. – see Lloyd, John A.	and equipment geometry
Balodis, V. Bill – see Cromer, Robin N.	Evans, Robert – see Nyakuegama, John Gwinyai
Batchelor, Warren J see Pleasants, Simon	
Bennett, Peter G. – see Shen, Wei	Finnegan, Daniel, Stack, Karen R. and Dunn, Lawrie A. – Peroxide bleaching using zeolites Part 1 Peroxide decomposition
Cameron, David - see Cromer, Robin, N.	Finnegan, Daniel, Stack, Karen R. and Dunn, Lawrie A
Campion, Sylke H., and Suckling, Ian D. –	Peroxide bleaching with zeolites. Part 2: Bleaching of pine TMP and eucalypt CCS 381
The effect of lignin demethylation on oxygen delignification	
Chalmers, Ian R. – The effect of humidity on packaging grade paper elastic modulus	Fisher, Gavin – Advanced modelling of the air discharges from the Tasman mill
Chalmers, Ian R. – Flexographic printability of linerboard 193	Garland, Carl P see Cromer, Robin N.
Chan, Ben K., Jang, H.F. and Seth, Rajinder S. – Fibril angle note	Ghosh, Ajit K. – Dryism: a combined audit and simulation tool to improve overall dry end efficiency
Chandranupap, Panitnad and Nguyen, K. Loi – Kinetics of chlorine dioxide delignification	Grey, Arthur A. – see McKague, A. Bruce
Chapman, Allan A. and Nguyen, K. Loi and Cook, Roger, A. – Effects of initial Kappa number on the ozonation of oxygen delignified kraft pulp at high consistency	Häggblom-Ahnger, Ulla and Eklund, Dan – The role of the middle ply in multilayer copy paper 199
Chin, Charles W.J. – see Nelson, Peter J.	
Chiu, Wing K. – see Ting, Thomas H.D.	Jackson, Tim and Parker, Ian H. –  The shape of the ring crush curve
Clare, Andrew B see McDonald, Armando G.	Jacobson, Stuart A. and Nguyen, K. Loi – Modelling the
Clarke, Charles R see Shaw, Michael J.P.	effect of fibre properties and operating conditions on
Cook, Roger A see Chapman, Allan A.	diffusion washing of different eucalypt kraft fibres 21:
Covey, Geoffrey H. and Johnson, P. Robin – Incineration of kraft ECF bleach plant effluent from a kraft pulp mill 369	James, Christopher J., Rees, Anthony J., Plummer and Michele K.– Application of the scanning electron microscope to the study of Australian Newsprint Mills
Cromer, Robin N., Balodis, V. Bill, Cameron, David, Garland, Carl P. Rance, Stan and Ryan, Paul N. – E. grandis fertilizer trials: growth, wood properties and kraft pulp yield	papers: product evolution/ development
	Jian, Jiang Er – see Lloyd, John A.
	Johnson, P. Robin – see Covey, Geoffrey H.
	Johnston, Robert E. – see Ting, Thomas H.D.
Daneault, Claude – see Leduc, Céline	
<b>Develter</b> , Paul G., and Duffy, Geoffrey G. – Flow of wood pulp fibre suspensions in open channels	
<b>Duffy</b> , Geoffrey G. – see Develter, Paul G.	
Duffy, Geoffrey G see Wahjudi, Ursula	
Dunn, Lawrie A see Finnegan, Daniel	

Allison, Robert W., Ellis, Murray J., Wrathall, Stephen J. –	Eklund, Dan – see Häggblom-Ahnger, Ulla
Interaction of mechanical and chemical treatments on pulp strength during kraft pulp bleaching	Ellis, Murray J., Duffy, Geoffrey G., Allison, Robert W. and Kibblewhite, R. Paul – Fibre deformation during
Allison, Robert W see Ellis, Murray J.	medium consistency mixing: role of residence time
Allison, Robert W. – see Lloyd, John A.	and equipment geometry
Balodis, V. Bill – see Cromer, Robin N.	Evans, Robert – see Nyakuegama, John Gwinyai
Batchelor, Warren J see Pleasants, Simon	
Bennett, Peter G. – see Shen, Wei	Finnegan, Daniel, Stack, Karen R. and Dunn, Lawrie A. – Peroxide bleaching using zeolites Part 1 Peroxide decomposition
Cameron, David - see Cromer, Robin, N.	Finnegan, Daniel, Stack, Karen R. and Dunn, Lawrie A
Campion, Sylke H., and Suckling, Ian D. –	Peroxide bleaching with zeolites. Part 2: Bleaching of pine TMP and eucalypt CCS 381
The effect of lignin demethylation on oxygen delignification	
Chalmers, Ian R. – The effect of humidity on packaging grade paper elastic modulus	Fisher, Gavin – Advanced modelling of the air discharges from the Tasman mill
Chalmers, Ian R. – Flexographic printability of linerboard 193	Garland, Carl P see Cromer, Robin N.
Chan, Ben K., Jang, H.F. and Seth, Rajinder S. – Fibril angle note	Ghosh, Ajit K. – Dryism: a combined audit and simulation tool to improve overall dry end efficiency
Chandranupap, Panitnad and Nguyen, K. Loi – Kinetics of chlorine dioxide delignification	Grey, Arthur A. – see McKague, A. Bruce
Chapman, Allan A. and Nguyen, K. Loi and Cook, Roger, A. – Effects of initial Kappa number on the ozonation of oxygen delignified kraft pulp at high consistency	Häggblom-Ahnger, Ulla and Eklund, Dan – The role of the middle ply in multilayer copy paper 199
Chin, Charles W.J. – see Nelson, Peter J.	
Chiu, Wing K. – see Ting, Thomas H.D.	Jackson, Tim and Parker, Ian H. –  The shape of the ring crush curve
Clare, Andrew B see McDonald, Armando G.	Jacobson, Stuart A. and Nguyen, K. Loi – Modelling the
Clarke, Charles R see Shaw, Michael J.P.	effect of fibre properties and operating conditions on
Cook, Roger A see Chapman, Allan A.	diffusion washing of different eucalypt kraft fibres 21:
Covey, Geoffrey H. and Johnson, P. Robin – Incineration of kraft ECF bleach plant effluent from a kraft pulp mill 369	James, Christopher J., Rees, Anthony J., Plummer and Michele K.– Application of the scanning electron microscope to the study of Australian Newsprint Mills
Cromer, Robin N., Balodis, V. Bill, Cameron, David, Garland, Carl P. Rance, Stan and Ryan, Paul N. – E. grandis fertilizer trials: growth, wood properties and kraft pulp yield	papers: product evolution/ development
	Jian, Jiang Er – see Lloyd, John A.
	Johnson, P. Robin – see Covey, Geoffrey H.
	Johnston, Robert E. – see Ting, Thomas H.D.
Daneault, Claude – see Leduc, Céline	
<b>Develter</b> , Paul G., and Duffy, Geoffrey G. – Flow of wood pulp fibre suspensions in open channels	
<b>Duffy</b> , Geoffrey G. – see Develter, Paul G.	
Duffy, Geoffrey G see Wahjudi, Ursula	
Dunn, Lawrie A see Finnegan, Daniel	

Kerekes, Richard – see Olson, James, A.	Nelson, Peter J., Chin, Charles W.J. and Mulcahy, James P
<b>Kibblewhite</b> , R. Paul, Riddell, Mark J.C. and Shelbourne, C.J.A.  – Kraft fibre and pulp properties of 29 trees of	Removal of extractives during TCF bleaching of radiata pine bisulfite pulp28
15 year old New Zealand grown <i>Eucalyptus nitens</i> 114 <b>Kibblewhite</b> , R. Paul – see Ellis, Murray J.	Nelson, Peter J., Chin, Charles W.J. and Viikari, Tenkanen  - The use of laccase-mediator stage in bleaching of
•	eucalypt kraft pulps456
Kibblewhite, R. Paul – see Wahjudi, Ursula	Nguyen, K. Loi - see Chandranupap, Panitnad
Krishnagopalan, Gopal A. – see Varma, Vipin	Nguyen, K. Loi - see Chapman, Allan A.
Kuys, Kelvin – see Malton, Stan	Nguyen, K. Loi – see Jacobson, Stuart A.
	Ni, Yonghap – see Yuan, Zhirun
Leduc, Céline, Montillet, Chantal, and Daneault, Claude – Activator for the peroxide bleaching of mechanical pulp	Nyakuegama, John Gwinyai, Matheson, Colin, Spencer, David, Evans, Robert and Vinden, Peter
Li, Mulan – see Shen, Wei	Correlation among growth, density, fibre diameter and heartwood in radiata pine
Lloyd, John A., Allison, Robert W., Jian, Jiang Er and	P.10
Marcoccia, Bruno – Interaction of chip quality and modified dissolved solids profiles during kraft pulping 363	Olson, James A. and Kerekes, Richard – Fibre passage through a single screen aperture
MacDonald, Andrew C. – see Raymond, Carolyn A.	Pallett, Robert N. – see Shaw, Michael J.P.
Malton, Stan, Kuys, Kelvin, Parker, Ian H. and	Parker, Ian H see Jackson, Tim
Vanderhoek, Nafty – Adsorption of cationic starch on eucalypt fibres and implications for recycling292	Parker, Ian H. – see Malton, Stan
Marcoccia, Bruno – see Lloyd, John A.	Parker, Ian H. – see Pleasants, Simon
Matheson, Colin – see Nyakuegama, John Gwinyai	Parker, Ian H. – see Shen, Wei
McDonald, Armando G., Steward, Diane and Clare, Andrew B. – Characterization of volatile constituents	Pasco, Maria F. and Suckling, Ian D. – Chromophore changes during oxygen delignification
in radiata pine HTMP screw press effluent	Pleasants, Simon, Batchelor, Warren J. and Parker, Ian H.  – Measuring the fibril angle of bleached fibres using micro-Raman spectroscopy
4-methylsyringol with chlorine dioxide	Plummer, Michele K see James, Christopher J.
Michell, Anthony J. and Schimleck, Laurence R. – Developing a method for the rapid assessment	
of pulp yield of plantation eucalypt trees beyond	Rance, Stan - see Cromer, Robin N.
Michell, Anthony J. and Schimleck, Laurence R. – Further classification of eucalypt pulpwoods	Raymond, Carolyn A., Muneri, Allie and MacDonald, Andrew C. – Non destructive sampling for basic density in <i>Eucalyptus globulus</i> and <i>E. nitens</i>
using principal components analysis of near-infrared spectra	Raymond, Carolyn A., Muneri, Allie and MacDonald, Andrew C. – Within tree variation and genetic control
Montillet, Chantal – see Leduc, Céline	of basic density, fibre length and fibre coarseness in  Eucalyptus regnans
Morgan, Dexter G. – The influence of some treatments and combinations of treatments on	Rees, Anthony J. – see James, Christopher, J.
the compression strength of linerboard at 50%	Reeve, Douglas W. – see McKague, A. Bruce
and 95% relative humidity	Richardson, John D. – Sulfonation mechanisms in DWS
Morris, Andrew R. – see Shaw, Michael J.P.	and CTMP pulping
Mulcahy, James P. – see Nelson, Peter J.	Riddell, Mark J.C see Kibblewhite, R. Paul
Muneri, Allie – see Raymond, Carolyn A.	Ryan, Paul – see Cromer, Robin N.
Murton, Karl – Refining intensity impact on slabwood	

and thinnings TMP .......433

0	
8	
Appita	

Schimleck, Laurence R. – see Michell, Anthony J.	Tenkanen – see Nelson, Peter J.
Seth, Rajinder S. – see Chan, Ben K.	Ting, Thomas H.D., Johnston, Robert E. and Chiu, Wing K. – Confocal laser scanning microscope imaging of network changes in unbeaten handsheets under in-plane tensile elongation
Shaw, Michael J.P., Clarke, Charles R. Pallett, Robert N. and Morris, Andrew R. – Differentiating timber to optimize the pulping process	
Shelbourne, C.J.A see Kibblewhite, R. Paul	Van Heiningen, Adriaan – see Yuan, Zhurin
Shen, Wei, Yao, Wen, Li, Mulan and Parker, Ian H	Vanderhoek, Nafty – see Malton, Stan
Characterisation of eucalypt fibre surface using inverse gas chromotography and X-ray photoelectron spectroscopy	Varma, Vipin and Krishnagopalan, Gopal A. – Kinetics of extended delignification using alkali profiling and on-line liquor analysis
Shen, Wei, Sheng, Yunjie and Bennett, Peter G	Viikari, Tenkanen – see Nelson, Peter J.
Comments on flexographic printability of packaging grade papers	Vinden, Peter – see Nyakuegama, John Gwinyai
Sheng, Yunjie - see Shen, Wei	
Spencer, David - see Nyakuegama, John Gwinyai	Wahjudi, Ursula, Duffy, Geoffrey G. and Kibblewhite, R. Paul – An evaluation of three formation testers using
Stack, Karen R see Finnegan, Daniel	radiata pine and spruce kraft pulps4
Steward, Diane - see McDonald, Armando G.	Williams, Max –
Suckling, Ian D. – see Campion, Sylke H.	Eucalypt cold soda pulping using a PFI mill44
Suckling, Ian D. – see Pasco, Maria F.	Wrathall, Stephen J. – see Allison, Robert W.
	Yao, Wen-see Shen, Wei
	Yuan, Zhirun, Ni, Yonghao and Van Heiningen, Adriaan  – An improved peracetic acid bleaching process 37

## SPECIAL ARTICLES - VOLUME 51

Pulp and paper statistics 1996/97 4	Appita Awards – 1998
Appita Awards 6	Appita L.R. Benjamin Medal - Robert Evans251
Considerations when purchasing a new headbox9	Presidential address - Adrian Wallis252
Appita Asia - 'How to clothe an Asian tiger:	Keynote address - Malcolm MacIntosh254
a comparative study of paper machine clothing in South East Asia'	Annual report of the Executive Committee of Appita to the 52nd Annual General Meeting257
An introduction to artificial intelligence	Appita Asia – Tropical Australian acacias
Appita L.R. Benjamin fiftieth anniversary scholarship report	Production rate optimization chemiwasher expert system 264
Appita co-hosts the International Pulp	The development of an environmental plan
and Paper Conference, Kuching, Sarawak, Malaysia	Uniform, extensive industrial plantations – necessity or fiction?
Appita Asia – High yield pulping technology for The People's Republic of China86	Replacement dispersion with screening for
Control and retention of ash90	the elimination of statistics
Options for improved roll handling	Pulp and paper statistics
Ceramic roll covers as granite replacement	Enhanced microbial control using innovative monitoring tools and chemistries
Appita Asia - Tropical acacias - the new pulpwood 179	Evaluating the performance of rotary drum vacuum
Optimize or compromise? The art of former section tuning	washers
	Advanced sensors and control for the pulping and
Appita conference returns to Brisbane	bleaching process

